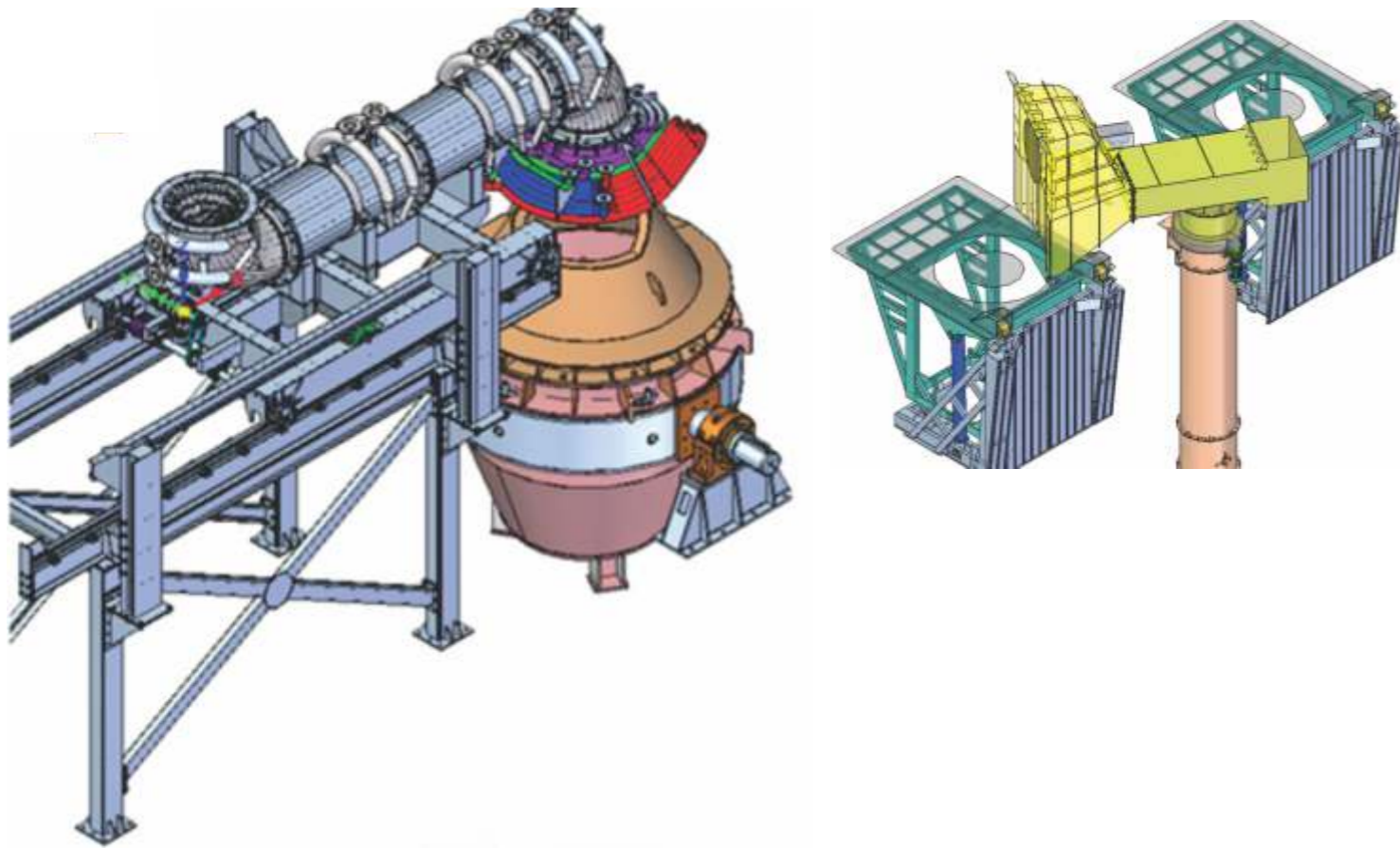
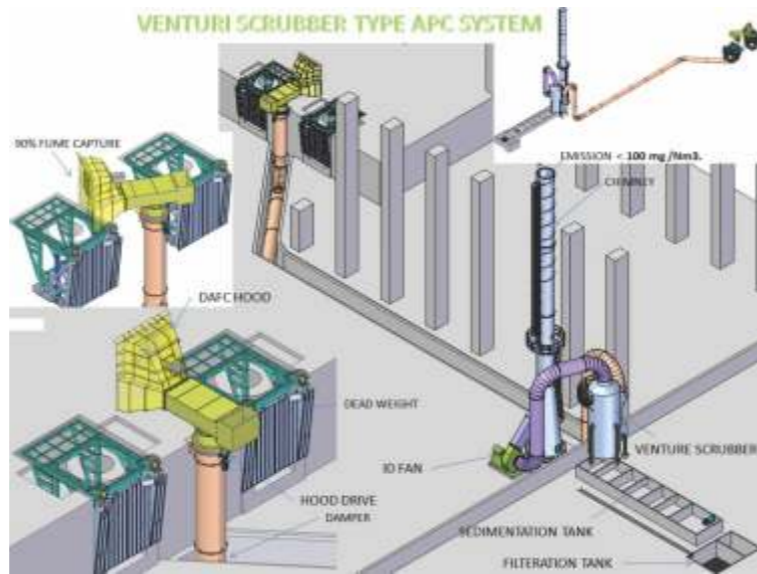


## Our goal is to create value

Electrotherm, in conjunction with its customers, is developing sustainable solution that creates economic, ecological and social value for all participants. Our solutions are sustainable.

Integrated technological and environmental solutions have become a key challenges for the iron and steel industries. Electrotherm's long term environmental strategy emphasizes process integrated and minimized emission generation, as well as by product and waste management concept. In this way we can assure a low impact on the environment and economical operation.



“What we cannot create, we preserve it”



## Advanced technologies for **AIR POLLUTION CONTROL**

Electrotherm delivers a wide range of state-of-the-art technologies providing total solutions to your steel plant / foundry requirement ensuring quality, reliability, performance and best after sales service. Our specially designed Air Pollution Control system ensures ongoing support throughout charging, poking & melting



**ELECTROTHERM<sup>®</sup> (INDIA) LIMITED**

Head Office & Works : 72, Palodia, (Via Thaltej), Ahmedabad – 382 115, Gujarat (INDIA)  
Phone : +91-2717-234544, 660550. Fax : +91-2717-234616, 234866  
E-mail : mkt@electrotherm.com



[www.electrotherm.com](http://www.electrotherm.com)



**ELECTROTHERM<sup>®</sup>**



## FUME CAPTURING HOODS ... Catch it before it runs out

Electrotherm's specially designed fume capture hood capture the fume gas before it expands into the atmosphere.

We are offering:

- Dish Antenna type Fume Capturing Hood,
- Canopy Hood
- Double Action Fume Hood,
- Dog House etc

### Dish Antenna type Fume Capturing Hood

#### Unique features

- This is the type of fume capturing hood which will capture at least 85% of the fumes, where conventional feeding methods and Hanuman is used
- Common hood for two crucibles



### Double Action Fume Hood

#### Unique features

- It can be tilted on both sides of furnace for ease of operations
- Designed specially for back tilting type induction furnaces
- Can be used with regular induction furnaces
- Can be operated to suitable degree for processes



Technology is an idea that brings revolution in product. Science is the knowledge that awakes revolution in all beings.

## FUME GAS FILTRATION SYSTEMS

### Unique features of ET cassette filters

- Modular design – for easy adaptability of cassette-type filters to specific floor space requirements
- Low operating and maintenance costs
- Due to the reverse air flow cleaning method, the filter bags have longer service life
- Spring-lock mechanism on doors and cassettes ensures fast and easy replacement by only one person
- Minimal residual dust in cleaned air, well below permitted emission rates due to optimal efficiency of filter media in conjunction with reverse air flow cleaning system. Our filter consists of dirty air inlet and distribution.
- Low energy consumption cost due to filters employing low pressure reverse air cleaning
- Increased bag life and low operating maintenance cost
- Reverse air cleaning offers low emission rates due to optimal efficiency of filter media
- Modular design offers standardization of component parts with high quality standard
- Only one person is needed to operate the door and remove the complete set of cassettes with distant mat
- Top entry of gas completely eliminates the re-entrainment that is predominant in hopper gas inlet
- Top inlet with distribution manifold ensures even gas distribution inside the filter
- Pre-assembled and factory tested filter components ensure quality



### Walking Together

The leading manufacturer of Induction Furnace, Electrotherm has come up with the solution for minimum dust emission in terms of integrated technology that will not only enhance the power saving but also saves environment.

### Venturi Scrubbers

Electrotherm offers a range of technologies for various dust emission sources in iron and steel plants. The main goal is to protect the environment and people as well as to fulfill stringent environmental regulation.

#### Unique features

- It can handle any type of furnace fumes from any scrap quality
- It can handle any type of furnace fumes from any scrap quality
- Flexible on flue gas temperature & moisture content
- Require small area for installation: typically 15 sq meters of space
- Have an ability to remove SO<sub>2</sub> as well as particulate matter
- It can collect sub-micron as well as coarse particles
- Minimal moving parts to maintain
- Both particle collection and absorption of gases, vapors, etc. can be done at the same time
- These high efficiencies are achieved at a low pressure drop
- Lowest power consumption against comparable methods
- Handle sticky, flammable & corrosive PM

### What we throw out, we clean it

We don't breathe the air leaving others smothering. In 21st Century, Electrotherm moving in direction to maintain the lively condition/going green on earth for all, we have come up with AIR POLLUTION CONTROL system for iron and steel plants.

